Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/08/2017 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124617	-1	1.39	124504	1.35
Blue	F	SSC	125000	124782	-1	2.75	125132	2.55
Blue	E	FITC	23795	22936	-4	2.55	1021	10.63
Blue	D	PE	29673	29193	-2	2.11	1049	10.16
Blue	B	PerCP-Cy5-5	48943	47818	-3	3.50	1372	17.54
Blue	A	PE-Cy7	44112	44811	1	5.23	685	37.14
Red	C	APC	54273	53614	-2	2.72	3104	9.56
Red	A	APC-Cy7	54945	54383	-2	2.74	1130	11.43
Violet	B	V450	15756	15034	-5	3.64	722	9.01
Violet	A	V500	62569	61248	-3	3.43	2709	6.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19489	3.39	613	-1	N/A	N/A	Pass
Blue	F	SSC	61603	1.54	549	3	N/A	N/A	Pass
Blue	E	FITC	115	40.90	550	0	0.0195	233	Pass
Blue	D	PE	231	29.82	548	2	0.1491	244	Pass
Blue	B	PerCP-Cy5-5	215	45.76	638	-1	0.0093	64	Pass
Blue	A	PE-Cy7	71	131.79	697	-2	0.0111	23	Pass
Red	C	APC	364	27.74	600	0	0.0196	53	Pass
Red	A	APC-Cy7	123	40.95	579	-5	0.0052	1406	Pass
Violet	B	V450	87	42.59	470	-2	0.0432	1811	Pass
Violet	A	V500	197	24.59	498	-1	0.0147	945	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.07	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	17.65	13.27 - 19.91	N/A	N/A	31.01	31.55	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11855

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments